

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-21. (Cancelled)

22. (Currently Amended) A display device, comprising:

a plurality of scan lines;

a plurality of data lines;

a display matrix comprising a plurality of pixels at the intersections of the plurality of scan lines and the plurality of data lines;

a first data line driving circuit; and

a second data line driving circuit,

the first data line driving circuit connectable to at least one of the plurality of data lines through one end of the at least one of the data lines,

the first data line driving circuit being a line sequential driver,

the second data line driving circuit connectable to the at least one of the plurality of data lines through the other end of the at least one of plurality of the data lines, and

the at least one of the plurality of data lines connectable to both of the first data line driving circuit and the second data line driving circuit,

the second data line driving circuit having a shift register and a plurality of switches, each switch connected to the other end of one of the plurality of data lines, the shift register generating a plurality of single pulses sequentially, each of the plurality of switches being turned on in response to a single pulse,

the line sequential driver outputting a plurality of simultaneous pulses to connected data lines.

23. (Previously Presented) The display device according to claim 22, the first data line driving circuit including at least one element that is not included in the second data line driving circuit.

24. (Previously Presented) The display device according to claim 22, the first data line driving circuit and the second data line driving circuit having mutually different functions.

25. (Previously Presented) The display device according to claim 22, at least one of the plurality of scan lines connectable to a first scan line driving circuit and a second scan line driving circuit.

26. (Previously Presented) The display device according to claim 22, at least one of the plurality of scan lines connectable to a first scan line driving circuit, and at least one of the plurality of scan lines connectable to a second scan line driving circuit.

27. (Currently Amended) A display substrate for use with a first data line driving circuit and a second data line driving circuit, comprising:

a plurality of scan lines; and

a plurality of data lines;

at least one same data line of the plurality of data lines connectable to both of the first data line driving circuit and the second data line driving circuit,

the first data line driving circuit being a line sequential driver,

the second data line driving circuit having a shift register and a plurality of switches, each switch connected to the other end of one of the plurality of data lines, the shift register generating a plurality of single pulses sequentially, each of the plurality of switches being turned on in response to a single pulse,

the line sequential driver outputting a plurality of simultaneous pulses to connected data lines.

28. (Currently Amended) A display substrate for use with a first data line driving circuit and a second data line driving circuit, comprising:

a plurality of scan lines; and

a plurality of data lines,

the plurality of data lines connectable to both of the first data line driving circuit and the second data line driving circuit,

the first data line driving circuit being a line sequential driver,

the second data line driving circuit having a shift register and a plurality of switches, each switch connected to the other end of one of the plurality of data lines, the shift register generating a plurality of single pulses sequentially, each of the plurality of switches being turned on in response to a single pulse,

the line sequential driver outputting a plurality of simultaneous pulses to connected data lines.

29. (Previously Presented) The display substrate according to claim 27, further comprising:

a first scan line driving circuit; and

a second scan line driving circuit,

the plurality of scan lines being disposed between the first scan line driving circuit and the second scan line driving circuit.

30. (Previously Presented) The display device according to claim 22,

at least one of the first data line driving circuit and the second data line driving circuit having a function of outputting a digital data signal.

31. (Previously Presented) The display device according to claim 22,

one of the first data line driving circuit and the second data line driving circuit having a function of outputting an analog data signal, and the other of the first data line driving circuit and the second data line driving circuit having a function of outputting a digital data signal.

32. (Previously Presented) The display device according to claim 22, at least one of the first data line driving circuit and the second data line driving circuit having a function of outputting an analog data signal.

33. (Previously Presented) The display substrate according to claim 28, further comprising:

a first scan line driving circuit; and

a second scan line driving circuit,

the plurality of scan lines being disposed between the first scan line driving circuit and the second scan line driving circuit.

34. (Previously Presented) The display device according to claim 22, the first data line driving circuit having a first latch that takes a digital signal in and stores the digital signal, a second latch that takes the digital signal outputted from the first latch in and stores the digital signal, and a D / A converter that converts the digital signal supplied from the second latch into an analog signal and drives the at least one of the plurality of data lines.

35. (Previously Presented) The display device according to claim 34, the first latch, the second latch, the D / A converter, and the display matrix being formed on a substrate.